## **CLAIMS:**

## What I claim as my invention is:

- 1. An improved low cost and more efficient process for producing steam with zero atmospheric emissions comprising:
- a substantially rigid, hollow housing, closed on the top and bottom, so as to form a closed chamber therein with structural base, capable of maintaining a high pressure; seal means, attached to the top of the said housing forming flame chamber in said housing for defining substantially a space to contain Oxyhydrogen flame in a space surrounded by membrane,
- a device to mitigate deposition mineral salts on membrane and additional devices to automatically maintain membrane for optimum heat transfer
- a plurality of steam supply nozzles in said housing
- a plurality of steam discharge nozzles in said housing
- a plurality of water supply nozzles in said housing
- an Oxygen and Hydrogen torch in said housing
- a thermal insulation system on exterior of said housing
- a plurality of steam over pressure protection devices in said housing.

- 2. The device of claim 1 further comprising a steam reservoir in fluid communication with said housing supplying steam and water into annular space of interior wall of said housing and said membrane.
- 3. Temperature sensing means of said membrane and additional means to automatically protect said membrane over temperature.
- 4. A pump with fluid communication from said housing for water to condensate reservoir.
- 5. The device of claim 1 further comprising automatic Oxygen and Hydrogen burned in stokiometric proportions for optimum combustion.
- 6. The device of claim 1 further comprising automatic Oxyhydrogen flame and steam interface by regulation said housing pressure, Oxygen and Hydrogen pressures, steam pressures.
- 7. The device of claim 1 further comprising combustion of Hydrogen with
- a pressurized air supply,
- a gas removal system,
- a fluid treatment by chemicals.

- 8. The device of claim 1 further comprising combustion of Hydrogen with
- a Oxygen enriched pressurized air supply,
- a gas removal system,
- a fluid treatment by chemicals.
- 9. The device of claim 1 further comprising combustion of Hydrogen with
- a Hydrogen Peroxide,
- a gas removal system,
- a fluid treatment by chemicals.

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